

REMARKS/ARGUMENTS

Claims 28-37 are pending in the application; reexamination and reconsideration are hereby requested.

1. Claims 28-30 were rejected as anticipated by Male; the Examiner cited column 5, lines ? for the ...

Applicant replies that claim 28, step (b) requires estimating eddy currents induced by the voice coil current; whereas, model 10 of the voice coil in Male Fig.1B shows no accounting for eddy currents. Note that model 50 of the voice coil in application Fig.2 (prior art) is the same as the model in Male, and neither suggests the voice coil model 50 of application Fig.3 which includes induced eddy currents. Thus Male cannot estimate eddy currents because Male does not recognize eddy currents.

Further, claim 28, step (c) requires the current in a direction opposite the direction of the turned off current; whereas, Male Fig.2 shows the current pulse during time T_1 to T_2 is in the same direction as the current turned off at time T_0 . Likewise, Male's two opposite-direction current pulses (during time T_1 to T_2 and time T_2 to T_3) do not have an eddy current (or any other) estimation at time T_2 which determines the pulse duration time T_2 to T_3 . Consequently, Male does not suggest independent claim 28.

2. Claims 32-33 and 35-36 were rejected as anticipated by or unpatentable over Male.

Applicant replies that (e)(ii) of both claims 32 and 35 requires a time interval determination; whereas, Male's two opposite-direction current pulses (during time T_1 to T_2 and time T_2 to T_3) have a fixed time interval. Further, (e)(iii) of both claims 32 and 35 requires a current in the opposite direction to the released driver current; whereas, Male Fig.2 has the pulse during T_1 to T_2 in the same direction as the current turned off at T_0 . Consequently, Male does not suggest independent claims 32 and 35.

3. Claims 31, 34, and 37 were rejected as unpatentable over Male in view of Penman; the Examiner cited Penman for an H-bridge.

Applicant relies upon the patentability of the parent independent claims 28, 32, and 35.

Respectfully submitted,

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